



S/N 10/757,864

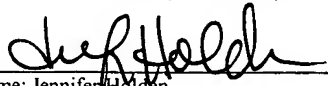
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-------------|---|-----------------|----------------|
| Applicant: | KITAOKA et al. | Examiner: | Unknown |
| Serial No.: | 10/757,864 | Group Art Unit: | Unknown |
| Filed: | January 15, 2004 | Docket No.: | 10873.1391US01 |
| Title: | METHOD OF MANUFACTURING GROUP III NITRIDE SUBSTRATE AND SEMICONDUCTOR DEVICE | | |

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on March 17, 2004.

By: 
Name: Jennifer Holden

COMMUNICATION REGARDING MISSING PARTS

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

In connection with the above-identified application, enclosed please find the originally signed Combined Declaration and Power of Attorney. Also enclosed is our check in the amount of \$130.00 to cover the Missing Parts completion fee.

To date, we have not received the Notification of Missing Parts. We therefore do not enclose a copy thereof herewith.

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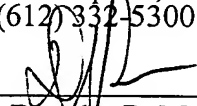
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Respectfully submitted,

MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
(612) 332-5300

Dated: March 17, 2004

By: 
Douglas P. Mueller
Reg. No. 30,300

DPM/jh

23552

PATENT TRADEMARK OFFICE

Attorney Docket No.



MERCHANT & GOULD P.C.

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD OF MANUFACTURING GROUP III NITRIDE SUBSTRATE AND SEMICONDUCTOR DEVICE

The specification of which

a. ☐ is attached hereto

b. ☒ was filed on January 15, 2004 as application serial no. 10/757,864 and was amended on _____ (if applicable) (in the case of a PCT-filed application) described and claimed in international no. _____ filed _____ and as amended on _____ (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

a. ☐ no such applications have been filed.

b. ☒ such applications have been filed as follows:

| FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119 | | | |
|--|--------------------|--------------------------------------|-------------------------------------|
| COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | DATE OF ISSUE (day, month, year) |
| Japan | 2003-011570 | 20 January 2003 | |
| | | | |
| | | | |
| ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S) | | | |
| COUNTRY | APPLICATION NUMBER | DATE OF FILING (day, month, year) | DATE OF ISSUE (day, month, year) |
| | | | |
| | | | |
| | | | |

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. APPLICATION NUMBER | DATE OF FILING (day, month, year) | STATUS (patented, pending, abandoned) |
|-------------------------|-----------------------------------|---------------------------------------|
| | | |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

| U.S. PROVISIONAL APPLICATION NUMBER | DATE OF FILING (Day, Month, Year) |
|-------------------------------------|-----------------------------------|
| | |

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

| | | | |
|-----------------------------|-------------------|---------------------------|-------------------|
| Albrecht, John W. | Reg. No. 40,481 | Kowalchyk, Alan W. | Reg. No. 31,535 |
| Ali, M. Jeffer | Reg. No. 46,359 | Kowalchyk, Katherine M. | Reg. No. 36,848 |
| Anderson, Gregg I. | Reg. No. 28,828 | Lacy, Paul E. | Reg. No. 38,946 |
| Batzli, Brian H. | Reg. No. 32,960 | Larson, James A. | Reg. No. 40,443 |
| Beard, John L. | Reg. No. 27,612 | Liepa, Mara E. | Reg. No. 40,066 |
| Berns, John M. | Reg. No. 43,496 | Lindquist, Timothy A. | Reg. No. 40,701 |
| Black, Bruce E. | Reg. No. 41,622 | Lycke, Lawrence E. | Reg. No. 38,540 |
| Branch, John W. | Reg. No. 41,633 | McAuley, Steven A. | Reg. No. 46,084 |
| Bremer, Dennis C. | Reg. No. 40,528 | McDonald, Daniel W. | Reg. No. 32,044 |
| Bruess, Steven C. | Reg. No. 34,130 | McIntyre, Jr., William F. | Reg. No. 44,921 |
| Byrne, Linda M. | Reg. No. 32,404 | Mueller, Douglas P. | Reg. No. 30,300 |
| Campbell, Keith | Reg. No. P-46,597 | Pauly, Daniel M. | Reg. No. 40,123 |
| Carlson, Alan G. | Reg. No. 25,959 | Phillips, Bryan K. | Reg. No. P-46,990 |
| Caspers, Philip P. | Reg. No. 33,227 | Phillips, John B. | Reg. No. 37,206 |
| Chiapetta, James R. | Reg. No. 39,634 | Plunkett, Theodore | Reg. No. 37,209 |
| Clifford, John A. | Reg. No. 30,247 | Prendergast, Paul | Reg. No. 46,068 |
| Daignault, Ronald A. | Reg. No. 25,968 | Pytel, Melissa J. | Reg. No. 41,512 |
| Daley, Dennis R. | Reg. No. 34,994 | Qualey, Terry | Reg. No. 25,148 |
| Dalglish, Leslie E. | Reg. No. 40,579 | Reich, John C. | Reg. No. 37,703 |
| Daulton, Julie R. | Reg. No. 36,414 | Reiland, Earl D. | Reg. No. 25,767 |
| DeVries Smith, Katherine M. | Reg. No. 42,157 | Schmaltz, David G. | Reg. No. 39,828 |
| DiPietro, Mark J. | Reg. No. 28,707 | Schuman, Mark D. | Reg. No. 31,197 |
| Edell, Robert T. | Reg. No. 20,187 | Schumann, Michael D. | Reg. No. 30,422 |
| Epp Ryan, Sandra | Reg. No. 39,667 | Scull, Timothy B. | Reg. No. 42,137 |
| Glance, Robert J. | Reg. No. 40,620 | Sebald, Gregory A. | Reg. No. 33,280 |
| Goggin, Matthew J. | Reg. No. 44,125 | Skoog, Mark T. | Reg. No. 40,178 |
| Golla, Charles E. | Reg. No. 26,896 | Spellman, Steven J. | Reg. No. 45,124 |
| Gorman, Alan G. | Reg. No. 38,472 | Stoll-DeBell, Kirstin L. | Reg. No. 43,164 |
| Gould, John D. | Reg. No. 18,223 | Sumner, John P. | Reg. No. 29,114 |
| Gregson, Richard | Reg. No. 41,804 | Swenson, Erik G. | Reg. No. 45,147 |
| Gresens, John J. | Reg. No. 33,112 | Tellekson, David K. | Reg. No. 32,314 |
| Hamer, Samuel A. | Reg. No. P-46,754 | Trembath, Jon R. | Reg. No. 38,344 |
| Hamre, Curtis B. | Reg. No. 29,165 | Underhill, Albert L. | Reg. No. 27,403 |
| Harrison, Kevin C. | Reg. No. P-46,759 | Vandenburgh, J. Derek | Reg. No. 32,179 |
| Hertzberg, Brett A. | Reg. No. 42,660 | Wahl, John R. | Reg. No. 33,044 |
| Hillson, Randall A. | Reg. No. 31,838 | Weaver, Karrie G. | Reg. No. 43,245 |
| Holzer, Jr., Richard J. | Reg. No. 42,668 | Welter, Paul A. | Reg. No. 20,890 |
| Johnston, Scott W. | Reg. No. 39,721 | Whipps, Brian | Reg. No. 43,261 |
| Kadievtch, Natalie D. | Reg. No. 34,196 | Wickhem, J. Scot | Reg. No. 41,376 |
| Karjeker, Shaukat | Reg. No. 34,049 | Williams, Douglas J. | Reg. No. 27,054 |
| Kastelic, Joseph M. | Reg. No. 37,160 | Witt, Jonelle | Reg. No. 41,980 |
| Kettelberger, Denise | Reg. No. 33,924 | Wu, Tong | Reg. No. 43,361 |
| Keys, Jeramie J. | Reg. No. 42,724 | Xu, Min S. | Reg. No. 39,536 |
| Knearl, Homer L. | Reg. No. 21,197 | Zeuli, Anthony R. | Reg. No. 45,255 |

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant & Gould P.C. to the contrary.

Please direct all correspondence in this case to Merchant & Gould P.C. at the address indicated below:

Merchant & Gould P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| | | | | |
|----------------------------|------------------------------------|---|--|---|
| 2 | Full Name Of Inventor | Family Name KITAOKA | First Given Name Yasuo | Second Given Name |
| 0 | Residence & Citizenship | City Osaka | State or Foreign Country Japan | Country of Citizenship Japan |
| 1 | Post Office Address | Post Office Address 3-5-B-604, Higashiooda, Ibaraki-shi | | State & Zip Code/Country Osaka 567-0012/JAPAN |
| Signature of Inventor 201: | | | Date: February 23, 2004 | |
| 2 | Full Name Of Inventor | Family Name MINEMOTO | First Given Name Hisashi | Second Given Name |
| 0 | Residence & Citizenship | City Osaka | State or Foreign Country Japan | Country of Citizenship Japan |
| 2 | Post Office Address | Post Office Address 19-3, Nagisasakaemachi, Hirakata-shi | | State & Zip Code/Country Osaka 573-1172/JAPAN |
| Signature of Inventor 202: | | | Date: February 23, 2004 | |
| 2 | Full Name Of Inventor | Family Name KIDOGUCHI | First Given Name Isao | Second Given Name |
| 0 | Residence & Citizenship | City Hyogo | State or Foreign Country Japan | Country of Citizenship Japan |
| 3 | Post Office Address | Post Office Address 4-6-40, Midoridai, Kawanishi-shi | | State & Zip Code/Country Hyogo 666-0129/JAPAN |
| Signature of Inventor 203: | | | Date: February 23, 2004 | |
| 2 | Full Name Of Inventor | Family Name ISHIBASHI | First Given Name Akihiko | Second Given Name |
| 0 | Residence & Citizenship | City Osaka | State or Foreign Country Japan | Country of Citizenship Japan |
| 4 | Post Office Address | Post Office Address 2-22-20-301, Toudaiji, Shimamoto-cho, Mishima-gun | | State & Zip Code/Country Osaka 618-0002/JAPAN |
| Signature of Inventor 204: | | | Date: February 25, 2004 | |



§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;

or

(2) It refutes, or is inconsistent with, a position the applicant takes in:

(i) Opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application:

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.